

ORGANIC MINERAL

DESIGNED by NATURE and **KNAUF**

Choose Organic Mineral if you need excellent acoustic performance or when there is an extra thermal requirement. With Organic Mineral we combine the two requirements in one panel.

- α_w max. 1.00
- R_D max 3.65 m² K/W



SPECIFICATIONS

Thickness (mm)	Length (mm)	Width (mm)	Standard fibre width	Standard Edge finish	Panels / pallet	m ² / pallet
50	600 / 1200	600	1.0 mm	AK-01	42 / 21	15.12
75		600	1.0 mm	AK-01	28 / 14	10.08
100	1200	600	1.0 mm	AK-01	11	7.92
125		600	1.0 mm	AK-01	9	6.48
150		600	1.0 mm	AK-01	7	5.04

Options

Organic Mineral Authentic	2.0 mm
Length	2000
Fire classification	A2-s1,d0

CERTIFICATIONS





SOUND ABSORPTION

Panel type	α_P						Average			Report number
	125	250	500	1000	2000	4000	α_w	NRC	SAA	
Direct mounting										
Organic Mineral 50	0.20	0.55	1.00	1.00	0.90	1.00	0.85	0.90	0.83	AC15-26055621
Organic Mineral 50 Authentic	0.10	0.60	1.00	0.85	0.75	0.95	0.80	0.80	0.76	AC15-26055621
Organic Mineral 75	0.35	0.90	1.00	1.00	0.90	0.95	1.00	1.00	0.91	AC15-26055621
Organic Mineral 75 Authentic	0.35	1.00	1.00	0.85	0.80	0.90	0.85	0.90	0.85	AC15-26055621
Organic Mineral 100	0.45	1.00	1.00	0.95	1.00	1.00	1.00	1.00	0.95	AC15-26055621
Organic Mineral 100 Authentic	0.60	1.00	1.00	0.85	0.80	0.95	0.85	0.95	0.85	AC15-26055621
Plenum 50 mm										
Organic Mineral 50	0.30	0.80	1.00	1.00	0.95	1.00	1.00	1.00	0.91	AC15-26055621

TECHNICAL SPECIFICATIONS

Properties	Symbol	Description					Unit	Standard
Fire classification	-	Bs1,d0 / A2-s1,d0 (Optional)					-	EN 13501-1
Thermal conductivity coefficient	λ	Wood wool (Bs1,d0): 0.08 Wood wool (A2-s1,d0): 0.09 Mineral wool: 0.037					[W/mK]	EN 12667
Thermal resistance	R_D	50	75	100	125	150	[m ² K/W]	EN 12667
		0.95	1.65	2.30	3.00	3.65		
Weight	-	14.0	16.0	18.5	20.5	23.0		
Panel construction	-	25/25	25/50	25/75	25/100	25/125	mm	
Light reflectance value	LRV	Table 'light reflectance values' (www.organic.design)					-	BS8493
CE Code	VV-EN13168-T1							
DoP code	4091_ORGANIC MINERAL							
Wood wool standard	EN 13168:2012+A1							



Do you want more information? Please contact us

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